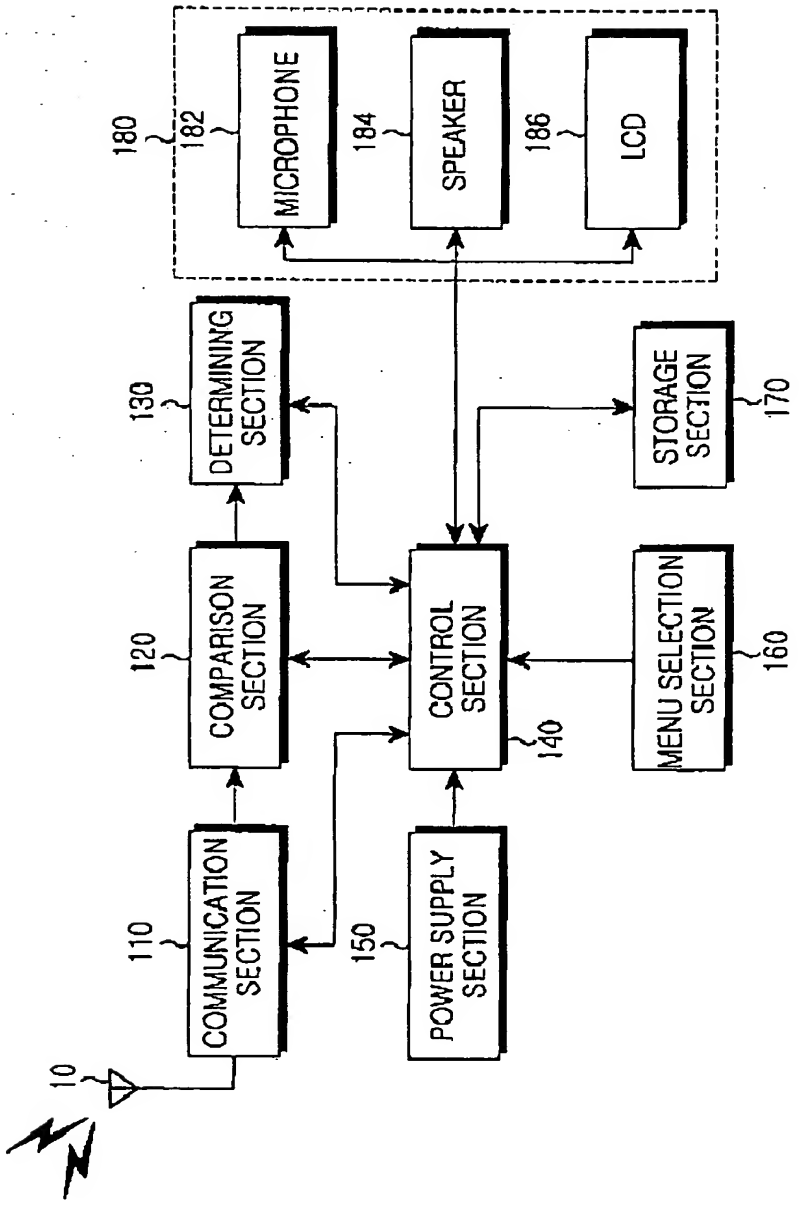
180
182
MICROPHONE
184
SPEAKER
186
LCD
130
DETERMINING SECTION
120
COMPARISON SECTION
140
CONTROL SECTION
170
STORAGE SECTION
160
MENU SELECTION SECTION
110
COMMUNICATION SECTION
150
POWER SUPPLY SECTION
10

FIG.1

NUMBER	4 BITS (N)		FREQUENCY BAND	NUMBER OF BANDS
	3 BITS	1 BIT		
1	000	0	GSM	SINGLE BAND
2	001		DCS	
3	010		PCS	
4	011	1	GSM AND DCS	MULTI-BAND
5	100		GSM AND PCS	
6	101		WHOLE BAND	
7~8	110~111	1	RESERVED BAND	

FIG.2

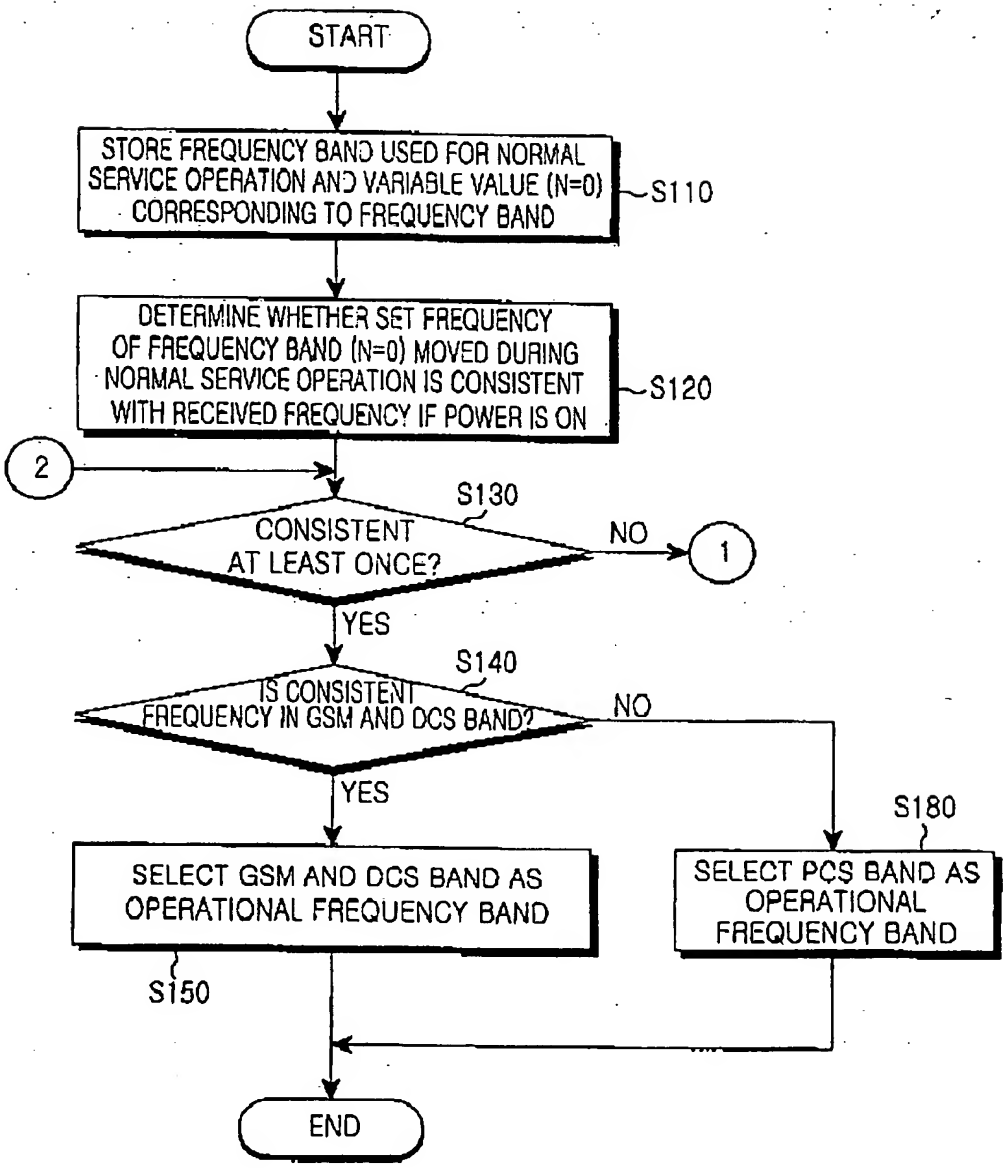
START
STORE FREQUENCY BAND USED FOR NORMAL SERVICE OPERATION AND VARIABLE VALUE (N=0) CORRESPONDING TO FREQUENCY BAND
S110
DETERMINE WHETHER SET FREQUENCY OF FREQUENCY BAND (N=0) MOVED DURING NORMAL SERVICE OPERATION IS CONSISTENT WITH RECEIVED FREQUENCY IF POWER IS ON
S120
2
S130
CONSISTENT AT LEAST ONCE?
NO
1
YES
S140
IS CONSISTENT FREQUENCY IN GSM AND DCS BAND?
NO
YES
S180
SELECT GSM AND DCS BAND AS OPERATIONAL FREQUENCY BAND
SELECT PCS BAND AS OPERATIONAL FREQUENCY BAND
S150
END

FIG.3

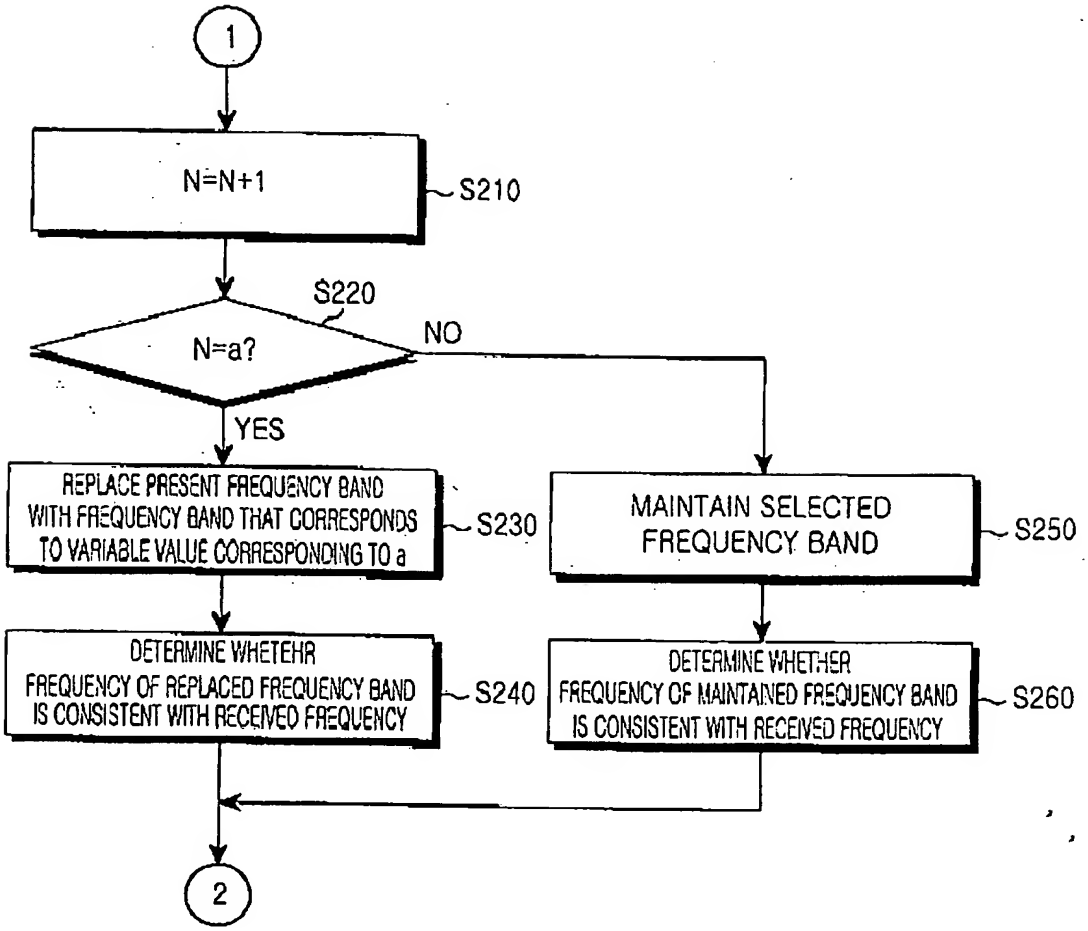
1
N=N+1
S210
S220
N=a?
NO
YES
REPLACE PRESENT FREQUENCY BAND WITH FREQUENCY BAND THAT CORRESPONDS TO VARIABLE VALUE CORRESPONDING TO a
S230
MAINTAIN SELECTED FREQUENCY BAND
S250
DETERMINE WHETEHR FREQUENCY OF REPLACED FREQUENCY BAND IS CONSISTENT WITH RECEIVED FREQUENCY
S240
DETERMINE WHETHER FREQUENCY OF MAINTAINED FREQUENCY BAND IS CONSISTENT WITH RECEIVED FREQUENCY
S260
2

FIG.4